

Amendments to the Specification

Please replace paragraph [0011] with the following amended paragraph:

[0011] Moreover, the present invention is directed to an architecture system operable on a processor. The system comprises an action province configured with logic to process an action and to generate at least one query requesting data. The system also comprises a yoke province configured to receive the query from the action province, to dynamically identify a database with a database type to which the query corresponds, to initiate a connection with the database to transmit the query to the database, to retrieve data in response to the query, and to transmit the data to the action province. The system further comprises a witness province configured to identify the action occurring via an input/output interface and to notify with the action at least one member of a group ~~comprising~~ consisting of the action province and the yoke ~~interface province~~. At least one member of a group ~~comprising~~ consisting of the witness province, the action province, and the ~~action yoke~~ province comprises at least one transparent layer configured to enable communication with a surrounding layer without having to communicate via the transparent layer.

Please replace paragraph [0012] with the following amended paragraph:

[0012] Further, the present invention is directed to an architecture system operable on a processor. The system comprises a collection layer configured to support a first set of objects that operate as a communication interface to receive first data and to render second data. An envoy layer is configured to support a second set of objects to receive the first data from the collection layer, to condition the first data to a first form receivable by a lower layer, to receive the second data, and to condition the second data to a second form receivable by the collection layer. A naturalization layer is configured to support a third set of objects to apply at least one member of a group ~~comprising~~ consisting of style support, customization support, and language support to the first data or the second data. An UGLI layer is configured to support a fourth set of objects configured to apply logic to the first data or the second data and to direct transfers of

the first data and the second data. A terminal layer is configured to support a fifth set of objects configured to portal the first data or the second data between the UGLI layer and at least one member of a group ~~comprising~~ consisting of the collection layer, the envoy layer, and the naturalization layer.

Please replace paragraph [0013] with the following amended paragraph:

[0013] A repository layer is configured to support a sixth set of objects configured to store the first data or the second data. An initiation layer is configured to support a seventh set of objects configured to initiate storage and retrieval of the first data or the second data to and from a persistent storage by identifying the persistent storage and generating a command for the persistent storage. An optimization layer is configured to support an eighth set of objects configured to format the command generated from the initiation layer to a database format required by the persistent storage. A nomadic layer is configured to support a ninth set of objects configured to make a connection to the persistent storage and to pass the formatted command to the persistent storage. At least one of the layers is configured as a transparent layer to enable communication between at least two of the other layers without having to communicate via the transparent layer.

Please replace paragraph [0014] with the following amended paragraph:

[0014] Further still, the present invention is directed to an architecture system operable on a processor. The system comprises a collection layer object configured to operate as a communication interface to receive first data and to render second data. A naturalization layer object is configured to apply at least one member of a group ~~comprising~~ consisting of style support, customization support, and language support to the first data or the second data. An envoy layer object is configured to receive the first data from the collection layer, to condition the first data to a first form receivable by the naturalization layer, to receive the second data, and to condition the second data to a second form receivable by the collection layer. An UGLI layer

object is configured to apply logic to the first data or the second data and to direct transfers of the first data and the second data[[:]]. A terminal layer object is configured to portal the first data or the second data between the UGLI layer and at least one member of a group ~~comprising~~ consisting of the collection layer, the envoy layer, and the naturalization layer.

Please replace paragraph [0019] with the following amended paragraph:

[0019] The present invention supports dynamic performance application development and maintenance with the ability to collapse intermediary layers that are not functionally required, thereby retaining the advantages of a layered architecture without incurring the associated ~~over head~~ overhead. Additionally, the architecture supports multiple points of separation, facilitating a high degree of flexibility in interface development.

Please replace paragraph [0040] with the following amended paragraph:

[0040] The UGLI layer 312 ~~support~~ supports objects that apply complex logic, business rules, algorithms, and/or intelligence specific to a system (collectively, logic) to data. The UGLI layer 312 objects may process data according to logic for a system and ~~controls~~ control how data is obtained or transmitted. For example, the UGLI layer 312 objects may control generation of data to the terminal layer 310 objects for transfer of data to the naturalization layer 308 for transformation of user interface specific data from one format to another. Similarly, the UGLI layer 312 objects may control the directed transfer of data for a communication through the initiation layer 316 objects and the optimization layer 318 objects so that the data may be obtained by the nomadic layer 320 objects via a connection to an application specific database.

Please replace paragraph [0047] with the following amended paragraph:

[0047] In one embodiment, the collection layer 304, the envoy layer 306, and the naturalization layer 308 are within a witness province 204. The ~~naturalization layer 308, the terminal layer 310, the UGLI layer 312, and the repository 314, the initiation layer 316, and the optimization layer 318~~ are within the action province 206. The nomadic layer 320 is within the yoke province 208.

Please replace paragraph [0048] with the following amended paragraph:

[0048] The structure of the layer architecture 302 enables an application to communicate via any user interface 108 and communication to any type of database 112. The witness province 204 and the yoke province 208 may be stripped from the action province 206. Thus, the core application may be developed using the required logic for the action province 206, and the layers ~~304-310~~ 304-308 for the witness province 204 may be dynamically changed or implemented to communicate via varied user interfaces. Similarly, the nomadic layer 320 of the yoke province 208 may be stripped from the layers 310-318 of the action province 206 enabling the application to communicate with multiple varied databases while retaining the core logic.